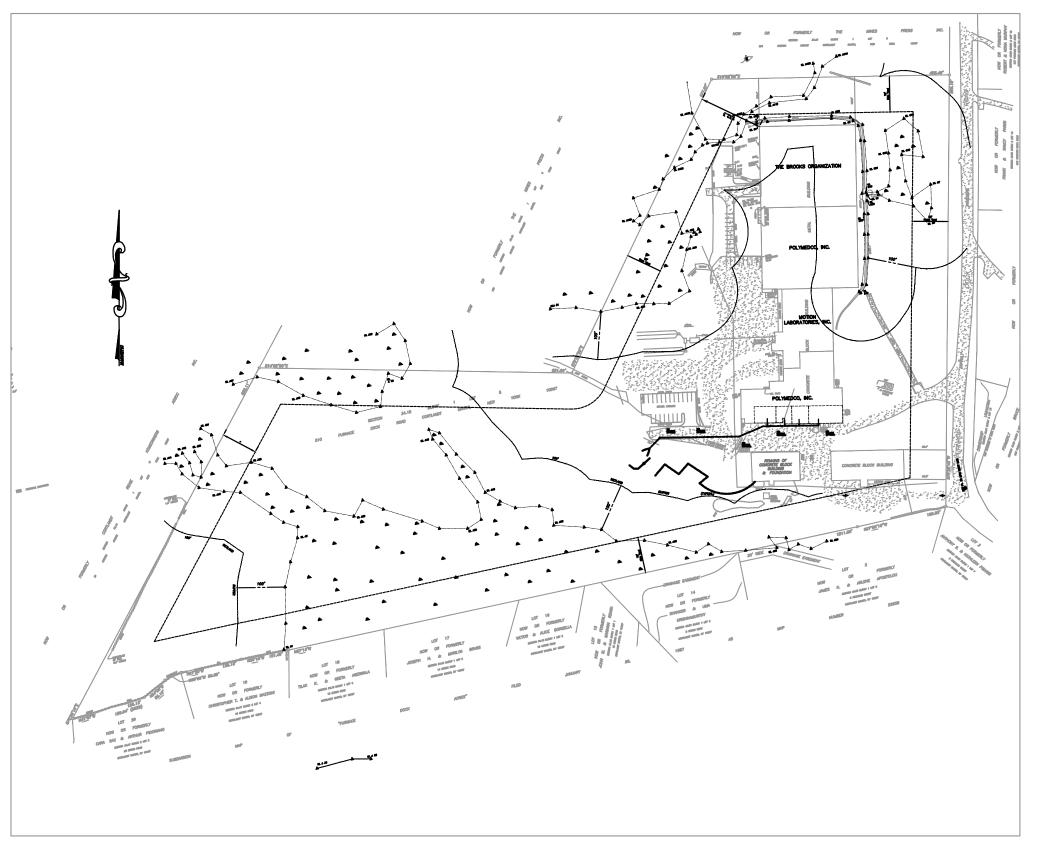


SCALE 1"=20'

2. PRODUCTS

- GENERAL

 A. EXISTING PLANIMETRIC INFORMATION DATA TAKEN FROM A SURVEY PREPARED BY DEROSA LAND SURVEYING AND SUPPLEMENTAL INFORMATION OBTAINED FROM THE WESTCHESTER COUNTY GIS DATABASE. B. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF INDUSTRIAL CODE RULE 753 REGULATIONS. EXCAVATORS AND CONTRACTORS MUST CONTACT DIG SAFELY NEW YORK (STAKEOUT REQUESTS: 1-800-962-7962 OR 811) AT LEAST 48 HOURS IN ADVANCE OF ANY MECHANIZED DIGGING OR EXCAVATION WORK TO ENSURE UNDERGROUND UTILITY LINES ARE
- CONTRACTOR SHALL RETAIN THE SERVICES OF AN UNDERGROUND UTILITY LOCATING SERVICE TO LOCATE AND IDENTIFY ALL EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF WORK. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW GRADE, PRIOR TO COMMENCING WORK. ANY DISCREPANCIES BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S FIELD REPRESENTATIVE AND/OR ENGINEER PRIOR TO COMMENCING WORK. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, RULES AND REGULATIONS GOVERNING THE WORK.
- THE CONTRACTOR SHALL SUPPLY SANITARY AND HAND WASHING FACILITIES IN ACCORDANCE WITH 29 CFR 1926.62 AND THE PLUMBING CODE OF NEW YORK. G. THE PROVISIONS OF THE FIRE CODE OF NEW YORK STATE SHALL BE STRICTLY OBSERVED TO SAFEGUARD AGAINST ALL FIRE HAZARDS. ACCESS TO THE SITE SHALL BE PROVIDED TO THE FIRE DEPARTMENT AT ALL TIMES.
- H. SMOKING SHALL BE PROHIBITED EXCEPT IN APPROVED AREAS AS DEMARCATED BY SIGNS. IN APPROVED AREAS WHERE SMOKING IS PERMITTED, APPROVED ASHTRAYS SHALL BE PROVIDED BY THE CONTRACTOR. I. THE CONTRACTOR SHALL REMOVE, MANAGE AND DISPOSE OF ANY REGULATED MATERIALS THAT MAY BE PRESENT.
- A. PIPE SHALL BE BELL AND SPIGOT SDR35 PVC PIPE AND FITTINGS CONFORMING TO ASTM D3034 STANDARD SPECIFICATION FOR TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, (SDR35); AND ASTM D 3212 JOINTS FOR DRAIN AND SEWER PLASTIC PIPES USING FLEXIBLE ELASTOMERIC SEALS. B. BUILDING SERVICE CONNECTIONS SHALL BE SERVICE WEIGHT CAST IRON SOIL PIPE AND FITTINGS CONFORMING TO THE REQUIREMENTS OF CISPI STANDARD 301, ASTM A888 OR ASTM SPECIFICATION A74, LATEST EDITION. JOINTS FOR HUB AND SPIGOT PIPE SHALL BE INSTALLED WITH COMPRESSION GASKETS CONFORMING TO THE REQUIREMENTS OF ASTM SPECIFICATIONS
- C564, LATEST EDITION. C. CLEANOUTS SHALL HAVE A CAST IRON HUB WITH A BRASS SCREW PLUG ANDPVC BODY DESIGNED FOR CONNECTING TO THE PIPE MATERIAL SPECIFIED ON THE DRAWINGS AND HEREIN. ALL CAST IRON PARTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A48, CLASS 25. PVC PARTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM D3034 (SDR 35) OR ASTM D2665 (SCH 40). CLEANOUTS THAT ARE INSTALLED IN TRAFFIC AREAS SHALL BE INSTALLED WITHIN A CAST IRON FRAME AND COVER AS SHOWN ON THE DRAWINGS.
- D. PIPE BEDDING AND INITIAL BACKFILL MATERIAL SHALL BE COMPACTED SCREENED GRAVEL WELL GRADED IN SIZE FROM 3/8 INCH TO 3/4 INCH OR SUCH OTHER SIZED AS MAY BE APPROVED. THE GRAVEL SHALL CONSIST OF CLEAN, HARD, AND DURABLE PARTICLES OR FRAGMENTS, FREE FROM DIRT, VEGETATION, OR OTHER ÓBJECTIONABLE MATTER AND FREE FROM AN EXCESS OF SOFT, THIN ELONGATED, LAMINATED OR DISINTEGRATED PIECES. E. NON-SHRINK MORTAR GROUT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 1107 AND SHALL BE A CEMENT-BASED, FLOWABLE, NON-SHRINK GROUT THAT DEVELOPS EXTREMELY HIGH
- COMPRESSIVE STRENGTH IN A SHORT PERIOD OF TIME. F. FLEXIBLE SHEAR RING COUPLINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM D5926 STANDARD SPECIFICATION FOR POLY (VINYL CHLORIDE) (PVC) GASKETS FOR DRAIN, WASTE, AND
- VENT (DWV), SEWER, SANITARY, AND STORM PLUMBING SYSTEMS. G. CAST IN PLACE CONCRETE SHALL BE AIR-ENTRAINED READY-MIXED CONCRETE AND SHALL HAVE A MINIMUM 3,500 PSI TWENTY-EIGHT (28) DAY COMPRESSIVE STRENGTH, OR AS DESIGNATED ON THE DRAWINGS, AND SHALL COMPLY WITH THE REQUIREMENTS OF ASTM C94.
- A. PIPE SHALL BE SUPPORTED ON A MINIMUM OF FOUR (4) INCHES OF COMPACTED SCREENED GRAVEL SPREAD IN LAYERS OF UNIFORM THICKNESS. NO PIPE OR FITTING SHALL BE PERMANENTLY SUPPORTED ON SADDLES, BLOCKING, OR STONES. PIPE BEDDING AND INITIAL BACKFILL MATERIAL SHALL BE INSTALLED IN LAYERS NOT EXCEEDING 6 INCHES IN DEPTH. INITIAL BACKFILL MATERIAL WITHIN FOUR (4) INCHES ABOVE THE CROWN OF THE PIPE SHALL BE PLACED BY HAND AND REQUIRES HAND COMPACTION. EACH LAYER OF GRAVEL SHALL BE COMPACTED TO A MINIMUM DENSITY OF NINETY-FIVE (95) PERCENT OF MAXIMUM DENSITY OF THE SOIL AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO DESIGNATION T-99.
- B. STANDARD BACKFILL SHALL BE PLACED AND COMPACTED IN MAXIMUM ONE (1) FOOT LAYERS. EACH LAYER SHALL BE COMPACTED BY APPROVED MECHANICAL TAMPING MACHINES TO A DENSITY EQUAL TO THAT OF ADJACENT ORIGINAL MATERIAL, BUT NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DEFINED BY ASTM D-1557, LATEST ISSUE FOR THAT SOIL.
- SOIL MANAGEMENT A. THE CONTRACTOR SHALL REMOVE, MANAGE AND DISPOSE OF REGULATED SOIL MATERIALS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. CLIENT WILL PROVIDE THE CONTRACTOR WITH A COPY OF THE REMEDIAL INVESTIGATION REPORT DEVELOPED BY OTHERS FOR REFERENCE USE BY THE CONTRACTOIN PREPARING ITS BID. THE
- CONTRACTOR SHALL INCLUDE ALL COSTS ASSOCIATED WITH THE MANAGEMENT OF CONTAMINATED MATERIALS IN THEIR PROPOSAL. R. B. ALL WORK INVOLVING DISTURBANCE/ MOVEMENT OF SUBSURFACE MATERIALS SHALL BE COMPLETED BY WORKERS WITH OSHA 40-HOUR HAZWOPER AND 8-HOUR ANNUAL REFRESHER TRAINING.
- C. SPOILS SUITABLE EXCAVATED MATERIAL (AS DEEMED BY THE ENGINEER) SHALL BE RETURNED TO THE EXCAVATION AS BACKFILL IN THE GENERAL LOCATION FROM WHICH THEY AREIT WAS REMOVED. D. EXCESS OR UNSUITABLE EXCAVATED SPOIL MATERIALS (AS DEEMED BY THE ENGINEER) SHALL BE STOCKPILED, STORED, AND SAMPLED CHARACTERIZED (REPRESENTATIVELY SAMPLED AND
- LABORATORY TESTED), FOR OFF-SITE AND TRANSPORTED AND DISPOSALED OFF-SITE. IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. E. EROSION CONTROL MEASURES SHALL BE INSTALLED AROUND THE STOCKPILE AND THE SSTOCKPILED MATERIALS SHALL BE PLACED ON AND COVERED BY MINIMUM 10-MIL THICK POLYPROPYLENE PLASTIC (AND REMAIN COVERED UNTIL DISPOSAL) AND SURROUNDED BY EROSION CONTROL MEASURES. THE CONTRACTOR SHALL INCLUDE THE COST OF SPOIL ANALYSIS FOR DISPOSAL IN THEIR PROPOSAL.



OVERALL PLAN SCALE 1"=80'

Baker Capital, L.P. One West Red Oak Lane White Plains, NY 10604 Tel: (914) 461-9000 Fax: (914) 747-4987



7 Skyline Drive Hawthorne, New York 10532 Tel: (914) 592-4040 Fax: (914) 592-5046 www.trcsolutions.com

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UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING) SECTION 7209 (2), IT IS A VIOLATION OF THIS LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

510-534 Furnace Dock Road Drainage Maintenance Cortlandt Manor, NY

Drainage Maintenance Plan



AS SHOWN DATE: 10/21/15 DRAWN BY: CHECKED BY: RPP PROJECT: 238212 DRAWING NO .:

C-101

